

GILA RIVER BASIN

09520500 GILA RIVER NEAR DOME, AZ

LOCATION--Lat 35°45'39", long 114°25'11", in SW1/4 sec. 4, T.8 S., R.21 E., Yuma County, Hydrologic Unit 15070201, on right bank 440 ft upstream from McPhaul bridge on old route of State Highway 95, 3 mi west of Dome, and 12 mi upstream from mouth.

DRAINAGE AREA--57,850 mi², approximately, includes 373 mi² in Aubrey Valley Playa, a closed basin, but excludes all other closed basins.

PERIOD OF RECORD--Jan. 1903 to current year. Monthly total, maximum, and minimum daily discharges only for Jan. 1903 to Dec. 1904 and Jan. 1906 to July 1929 in WSP 918 or WSP 1313. Published as "at Yuma and Gila City" 1903, as "near Dome" 1904, and as "at Dome (Gila City)" 1905-06. Records for 1907--29 are published in WSP 918 as "at Yuma and at and near Dome."

REVISED RECORDS--WSP 918: 1905. WSP 1733: July 1942. WSP 1926: Drainage area.

GAGE--Water-stage recorder. Datum of gage is 139.18 ft above sea level. Prior to Oct. 1903 and Jan. 1907 to Apr. 1929, no gage; discharge estimated. Oct. 1903 to Dec. 1906, principal nonrecording gage 4 mi upstream at datum 19.19 ft higher, supplemented by many nonrecording gages at different datums. May 1929 to May 31, 1981, at datum 9.00 ft higher.

REMARKS--No estimated daily discharge. Records good. Many diversions above station for irrigation. Flow above station regulated by reservoirs at and above Painted Rock Dam; capacity of reservoir at Painted Rock Dam is 2,492,000 acre-ft. Painted Rock Reservoir, which is for flood control only, was completed in Oct. 1959 (see also REMARKS for sta 09518000).

EXTREMES FOR PERIOD OF RECORD--1903--29: Maximum daily discharge, 200,000 ft³/s, roughly estimated, Jan. 22, 1916.

1929--59: Maximum discharge, 20,700 ft³/s Feb. 15, 1932, gage height, 25.75 ft, present datum; no flow for part or all of most years.

1959--2002: Maximum discharge 28,900 ft³/s Mar. 3, 1993, maximum gage height, 26.81 ft; no flow for part or all of most years.

EXTREMES FOR CURRENT YEAR--Maximum discharge, 502 ft³/s Oct. 7 at 1630, gage height, 16.22 ft. Minimum daily discharge, 1.0 ft³/s July 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	14	20	19	16	17	10	8.6	3.7	3.4	2.7	7.5
2	7.8	15	48	22	18	18	11	8.7	4.9	4.1	3.7	7.7
3	7.6	12	57	19	17	17	11	8.4	2.6	11	3.7	6.6
4	8.0	14	23	18	17	17	9.7	8.0	5.9	4.5	3.5	6.3
5	8.8	10	23	17	16	15	10	9.6	2.8	3.6	3.6	6.9
6	78	12	25	17	18	19	9.2	8.8	2.3	4.0	2.8	7.4
7	165	9.0	18	22	20	20	9.9	6.6	2.4	5.4	4.5	6.1
8	35	9.9	19	22	20	15	12	9.4	4.5	7.6	2.3	5.2
9	16	11	18	23	16	20	9.4	6.9	8.4	10	2.4	6.3
10	19	8.6	15	21	18	17	8.7	6.9	6.3	4.9	2.5	7.9
11	12	9.1	15	19	18	14	9.9	7.0	4.2	3.3	2.1	7.4
12	12	7.5	16	20	16	15	13	6.3	2.3	3.5	3.8	5.2
13	11	7.8	14	20	21	15	11	6.4	2.0	4.3	4.7	5.4
14	11	8.7	19	22	46	17	11	8.6	2.4	5.5	4.2	6.9
15	12	12	19	18	29	16	13	8.0	5.5	6.8	3.9	7.3
16	12	9.5	19	21	25	18	11	6.5	5.9	4.8	5.0	5.9
17	13	9.9	16	24	24	19	11	5.8	3.2	3.5	6.3	6.5
18	10	9.9	16	22	25	16	10	7.6	5.3	22	6.5	7.3
19	11	12	15	25	24	16	9.7	8.0	2.9	1.7	6.1	7.7
20	14	8.9	14	23	23	14	8.8	8.1	5.8	1.4	8.4	7.1
21	16	7.8	19	20	22	15	8.3	6.0	9.1	2.6	6.6	6.0
22	10	10	19	20	23	15	11	4.7	9.3	3.3	7.4	6.0
23	10	11	18	21	26	14	11	5.4	5.9	1.3	8.9	6.3
24	9.8	56	16	22	18	13	10	6.2	5.1	1.0	11	6.8
25	12	36	15	18	21	15	9.8	4.8	5.6	1.4	10	10
26	15	12	17	18	21	22	10	4.1	9.2	1.1	6.4	11
27	9.4	10	17	18	20	15	14	5.0	3.9	2.4	5.8	9.5
28	14	11	17	17	18	12	10	4.4	3.2	2.3	7.4	8.6
29	13	17	20	19	---	14	10	5.6	3.1	1.7	6.8	8.0
30	15	18	19	17	---	11	13	8.4	3.1	1.4	6.9	9.7
31	9.9	---	15	16	---	11	---	4.9	---	1.6	7.7	---
TOTAL	605.2	399.6	621	620	596	492	316.4	213.7	140.8	135.4	167.6	216.5
MEAN	19.5	13.3	20.0	20.0	21.3	15.9	10.5	6.89	4.69	4.37	5.41	7.22
MAX	165	56	57	25	46	22	14	9.6	9.3	22	11	11
MIN	7.6	7.5	14	16	16	11	8.3	4.1	2.0	1.0	2.1	5.2
AC-FT	1200	793	1230	1230	1180	976	628	424	279	269	332	429
CAL YR 2002	TOTAL 6639.4	MEAN 18.2	MAX 165	MIN 2.2	AC-FT 13170							
WTR YR 2003	TOTAL 4524.2	MEAN 12.4	MAX 165	MIN 1.0	AC-FT 8970							